PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

TITLE OF INVENTION

APPLICANT

Banchi di Sotto, 55 53100 Siena

This person is applicant for the purposes of:

State (that is, country) of nationality:

Box No. I

Box No. II

ITALY

ITALY

Box No. III

Rec'd P PTO 08 SEP 2004

For receiving Office use only International Application No. 0/507145 International Filing Date Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference (if desired) (12 characters maximum) PCT 30101 Diagnostic and therapeutic tools for the X-linked mental retardation syndrome This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. +390577232195 Facsimile No. UNIVERSITA' DEGLI STUDI DI SIENA +390577232188 Teleprinter No. Applicant's registration No. with the Office State (that is, country) of residence: **ITALY** the States indicated in the Supplemental Box the United States of America only all designated States except the United States of America all designated States FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only

MELONI, Ilaria		X applicant and inventor
Policlinico Le Scotte		inventor only (If this check-box
Viale Bracci 2		is marked, do not fill in below.)
53100 Siena		Applicant's registration No. with the Office
ITALY		
State (that is, country) of nationality:	State (that is, country)	of residence:
ITALY	ITALY	
Ti all designated all designated all designated		the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated o	n a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE		CORRESPONDENCE
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	n behalf as:	agent common representative
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of co	ty, full official designation.	Telephone No. +3906853361
CAPASSO, Olga - De SIMONE, Domenico	- FIORUZZI,	Facsimile No. +0685831764
Maria Augusta de SIMONE & PARTNERS S.p.A.		Teleprinter No.
Via. V. Bellini, 20		
00198 Roma	•	Agent's registration No. with the Office
		, regime of the second of the
ITALY	agent or comments	presentative is/has been appointed and the
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	which correspondence	should be sent.

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Sheet	Nο		4	٠.	

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a legal entity, full official de The address must include postal code and name of country. The country of the address indicated box is the applicant's State (that is, country) of residence if no State of residence is indicated be RENIERI, Alessandra Policlinico Le Scotte Viale Bracci 2 53100 Siena ITALY	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
State (that is, country) of nationality: ITALY State (that is, country) of nationality: ITALY	is, country) of residence:				
This person is applicant for the purposes of: all designated all designated States except the United States of Americans	the United States the States indicated in the Supplemental Box				
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Further applicants and/or (further) inventors are indicated on another continuation sheet.					

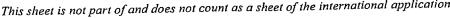
c No. V	DESIGNATION OF STATES	Mark the applicable check-boxes below; at least one must be marked.	
e follow	ving designations are hereby made und	er Rule 4.9(a):	
AP A	ARIPO Patent: GH Ghana, GM C SL Sierra Leone, SZ Swaziland, TZ Un State which is a Contracting State of specify on dotted line)	iambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudaited Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any of the Harare Protocol and of the PCT (if other kind of protection or treatment desir	red, ova.
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	Republic, DE Germany, DK Denmark IE Ireland, IT Italy, LU Luxembourg,	lgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Cz, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Gree MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slova is a Contracting State of the European Patent Convention and of the PCT	ikia,
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		and the base become party to the PCT after issuance of this sheet:	
Check	c-boxes below reserved for designating	States which have become party to the 101 and	
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		addition to the designations made above, the applicant also makes under Rule 4.	20

Sheet No.	Λ
Sheet No.	

Box No. VI PRIORITY	CLAIM			
The priority of the following	earlier application(s) is herel	by claimed:		
Filing date Number Where earlier application is:			is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO regional application:* regional Office		international application: receiving Office
item (1) 08/03/2002	RM2002A000130	ITALY		
item (2)				
item (3)				
item (4)				
item (5)				
-	are indicated in the Supplem ested to prepare and transmit			
above as: all items item * Where the earlier applicant Industrial Property or one Management of the search indicate international search, indicate ISA /	ion is an ARIPO application, dember of the World Trade Control of the Authority chosen; the two arlier search; reference to hority):	item (3) item indicate at least one country organization for which that organization for which that organization for which that the organization for which that organization for which that that search (if an earlier search)	y party to the Paris Converted to the Paris C	other, see Supplemental Box sention for the Protection of filed (Rule 4.10(b)(ii)):
Box No. VIII DECLARA	TIONS			
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations				
Box No. VIII (i)	Box No. VIII (i) Declaration as to the identity of the inventor			
Box No. VIII (ii)	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:			
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application:				
Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America) :			
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:				

Sheet No	5

Box No. IX CHECK LIST; LANGUAGE O	F FILING			
This international application contains: (a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items		
sheets:	1. X fee calculation sheet	: 1		
request (including declaration sheets) : 5	2. Original separate power of attorney	:		
description (excluding	3. original general power of attorney	:		
sequence listings and/or tables related thereto) : 24	4 \(\sigma\) conv of general power of attorney; reference number,	Ì		
tables related thereto)	if any:			
claims : 3 abstract : 1	5. statement explaining lack of signature	:		
drawings : 7	6. priority document(s) identified in Box No. VI as item(s):			
Sub-total number of sheets: 40				
sequence listings : 10	7. translation of international application into (language):	:		
tables related thereto :	8. separate indications concerning deposited microorganis or other biological material			
(for both, actual number of sheets if filed in paper form, whether or not also filed in	9. Sequence listings in computer readable form (indicate type and number of carriers)			
computer readable form; see (c) below)	(i) Copy submitted for the purposes of international search Rule 13ter only (and not as part of the international a	ch under pplication) :diskt 1		
Total number of sheets : 50 (b) □ only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left co additional copies including, where applicable, the co purposes of international search under Rule 13ter	py for the		
(Section 801(a)(i)) (i) sequence listings	(iii) together with relevant statement as to the identity of copies with the sequence listings mentioned in left co	the copy or		
(ii) tables related thereto	10 tables in computer readable form related to sequence list			
(c) also in computer readable form (Section 801(a)(ii))	(indicate type and number of carriers) (i) Copy submitted for the purposes of international sear	ch under		
(i) ☐ sequence listings(ii) ☐ tables related thereto	Section 802(b-quater) only (and not as part of the intapplication)	ternational :		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	 (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left additional copies including, where applicable, the copurposes of international search under Section 802(b) 	column) opy for the o-quater) :		
contained the sequence listings:	(iii) together with relevant statement as to the identity of copies with the tables mentioned in left column	the copy or		
tables related thereto:	11. \(\square\) other (specify): \(\ldots \)			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11.			
Figure of the drawings which should accompany the abstract:	Language of filing of the international application:			
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person signature.	T, AGENT OR COMMON REPRESENTATIVE ming and the capacity in which the person signs (if such capacity is not obvious f	rom reading the request).		
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	For receiving Office use only	2. Drawings:		
Date of actual receipt of the purported international application:		Z. Drawnigs:		
пистанова аррисанов.		received:		
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4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:		
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid			
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FEE CALCULATION SHEET

(This mode of payment may not be available at all receiving Offices)

Applicant's or agent's

3. INTERNATIONAL FEE

file reference Applicant

This sheet is not	part of and does not coun	t as a sheet of the internation	nal application	
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Where items (b) and/or (c) of Box N Where items (b) and (c) of Box No.	IX do not apply, enter Total	number of sheets	-	
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b2 20 x number of sheets in excess of 30	10,00 =	200,00 b2		
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MODE OF PAYMENT authorization to charge	postal money order	Cash	coupons	
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Signature:

(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. Authorization to charge the fee for priority document.

Authorization to charge the total fees indicated above.

See Notes to the fee calculation sheet

PCT Request claiming the priority application no. RM2002A000130, filed on 08-MAR-2002

STATEMENT

The undersigned hereby declares that the sequence listing does not include any matter which goes beyond the contents of the International Application as filed and that the information recorded on the electronic data carrier is identical to the written sequences listing.

(CAPASSO Olga)

Rome, 28 February 2003